

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1306818

Luminaire Tested: LDSQA3D05R259024DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259024DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

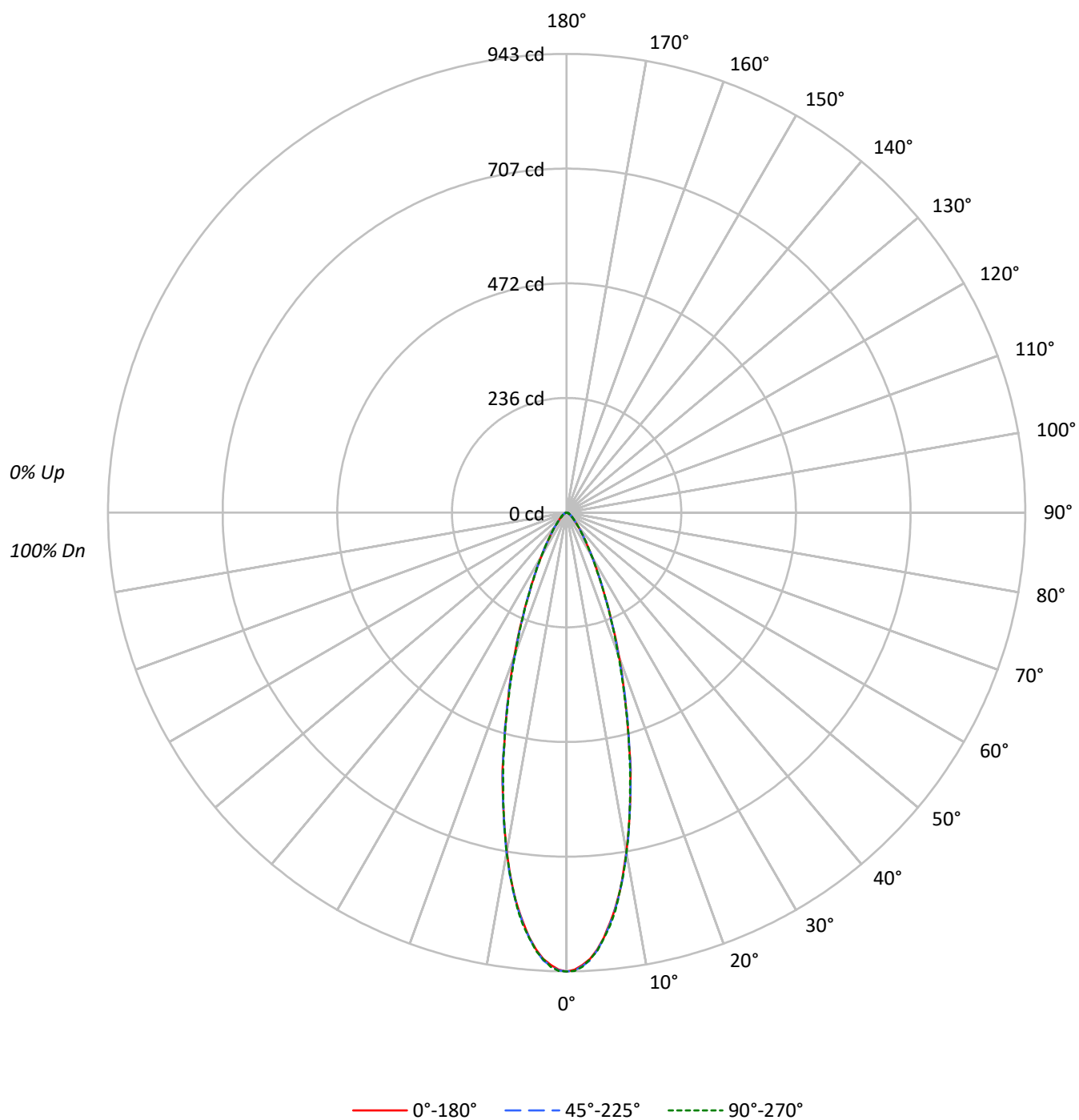
Lumens per Lamp: N/A
Luminaire Lumens: 378.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1306818

CATALOG NUMBER: LDSQA3D05R259024DE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306818

CATALOG NUMBER: LDSQA3D05R259024DE010 3LSQPHRL1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	162475	162475	162475
5°	151651	151806	151876
10°	123692	124077	124077
15°	88347	88828	88347
20°	57823	57255	56449
25°	34376	34547	34376
30°	20702	20702	20622
35°	12615	12720	12615
40°	8026	8139	8139
45°	5578	5578	5578
50°	4019	4126	4126
55°	3183	3183	3303
60°	2583	2721	2721
65°	2323	2323	2323
70°	2014	2014	2216
75°	1730	1730	2063
80°	1785	1785	1785
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5578 cd/sqm

TEST NUMBER: P1306818

CATALOG NUMBER: LDSQA3D05R259024DE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	20.7
10°-20°	136.6	36.2
20°-30°	85.9	22.7
30°-40°	39.3	10.4
40°-50°	18.3	4.9
50°-60°	9.9	2.6
60°-70°	5.8	1.5
70°-80°	3.0	0.8
80°-90°	0.7	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	300.9	79.6
0°-40°	340.2	90.0
0°-60°	368.4	97.5
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	943	943	943	943	943	
5°	877	879	878	879	878	78
15°	496	499	498	499	496	137
25°	181	183	182	182	181	86
35°	60	60	60	60	60	39
45°	23	23	23	23	23	18
55°	11	11	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1306818

CATALOG NUMBER: LDSQA3D05R259024DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	943.4	943.4	943.4	943.4	943.4
1°	939.4	940.3	941.2	942.5	942.1
2°	930.6	932.4	932.8	934.6	934.1
3°	918.7	918.2	921.8	921.8	919.6
4°	900.1	901.0	901.9	902.8	903.2
5°	877.2	879.0	878.1	879.0	878.5
6°	849.0	851.6	851.2	852.0	853.4
7°	819.0	820.7	820.7	819.8	823.4
8°	786.3	785.0	787.2	786.3	785.9
9°	747.5	750.1	750.6	748.4	749.2
10°	707.3	709.1	709.5	710.8	709.5
11°	667.6	667.6	668.5	670.7	667.2
12°	624.4	628.3	624.4	626.1	624.4
13°	583.3	584.2	583.3	582.9	579.8
14°	544.5	541.4	542.3	538.8	539.2
15°	495.5	498.6	498.2	499.0	495.5
17.5°	398.4	400.2	399.8	398.9	394.5
20°	315.5	315.5	312.4	310.6	308.0
22.5°	240.9	240.0	238.7	237.4	238.3
25°	180.9	183.1	181.8	181.8	180.9
27.5°	136.8	139.4	137.2	135.9	136.8
30°	104.1	105.0	104.1	103.7	103.7
32.5°	78.5	79.0	78.5	78.5	78.5
35°	60.0	60.0	60.5	60.5	60.0
37.5°	46.3	46.3	46.3	46.3	46.8
40°	35.7	36.2	36.2	36.2	36.2
42.5°	28.2	28.7	28.7	28.7	28.7
45°	22.9	22.9	22.9	22.9	22.9
47.5°	18.5	18.5	18.5	18.5	19.0
50°	15.0	15.4	15.4	15.4	15.4
52.5°	12.8	12.8	12.8	12.8	12.8
55°	10.6	10.6	10.6	11.0	11.0
57.5°	8.8	8.8	9.3	9.3	9.3
60°	7.5	7.9	7.9	7.9	7.9
62.5°	6.6	6.6	7.1	7.1	7.1
65°	5.7	5.7	5.7	5.7	5.7
67.5°	4.9	4.9	4.9	4.9	5.3
70°	4.0	4.0	4.0	4.4	4.4
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.6	2.6	2.6	3.1	3.1
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.8	1.8	1.8	1.8	1.8
82.5°	0.9	0.9	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1306818
CATALOG NUMBER: LDSQA3D05R259024DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)